

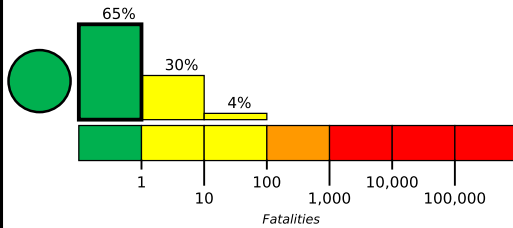
## M 5.7, 8km SW of San Agustin, Philippines

Origin Time: 2019-05-04 01:05:09 UTC (Sat 09:05:09 local)

Location: 12.3713° N 120.9321° E Depth: 10.0 km

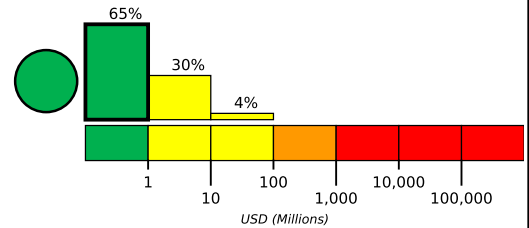
Created: 3 weeks, 5 days after earthquake

### Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

### Estimated Economic Losses

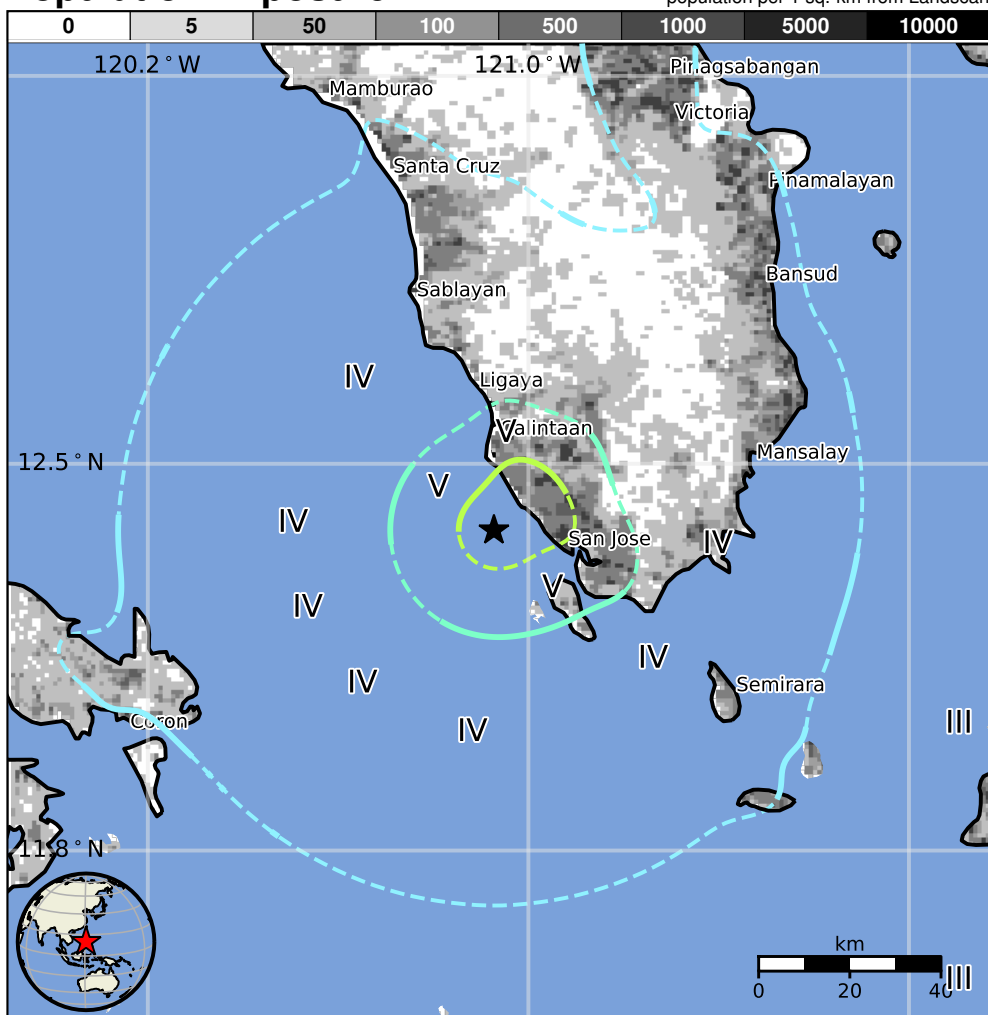


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	116k*	956k	146k	137k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-12-11	397	7.2	VIII(17k)	1
1973-03-17	231	7.5	VIII(6k)	15
1990-07-16	373	7.7	IX(893k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Rizal	<1k
VI	Babug	5k
VI	La Curva	3k
VI	Bagong Sikat	5k
VI	San Pedro	3k
VI	San Agustin	5k
VI	<b>San Jose</b>	<b>119k</b>
IV	<b>Sablayan</b>	<b>38k</b>
IV	<b>Mansalay</b>	<b>23k</b>
IV	<b>Pinamalayan</b>	<b>44k</b>
IV	<b>Mamburao</b>	<b>24k</b>

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us70003gig#pager>

bold cities appear on map.

(k = x1000)

Event ID: us70003gig